

Proceedings of the Sixty-Sixth Meeting of the American Association of Physical Anthropologists

Adam's Mark Hotel,
St. Louis, Missouri
March 31–April 5, 1997

The meeting was called to order by President Jere Haas at 8:15 PM, on Friday, April 4, 1997. The minutes of the 1996 meeting were approved as published (Am. J. Phys. Anthropol. 101:557–567, 1996).

The President reported on the schedule for upcoming meetings, which includes meeting in Salt Lake City, Utah, in 1998 (hosted by the University of Utah, Dennis O'Rourke, local arrangements chair), Columbus, Ohio, in 1999 (hosted by Ohio State University, Douglas Crews, local arrangements chair), and Atlanta, Georgia in 2000 (hosted by Emory University, George Armelagos, local arrangements chair). The association is seeking a site for the 2001 meeting, preferably in a western state.

President Haas presented the results of the Executive Committee meeting earlier in the week. The contract between AAPA and John Wiley continues to be a major focus of Executive Committee activity, with a committee composed of Matt Cartmill, Emőke Szathmáry, Eugenie C. Scott, and Haas having major responsibility for negotiating the contract between Executive Committee meetings. The Executive Committee considered a possible conflict of interest involving two members of the committee (Cartmill has a book publishing contract with Wiley and Szathmáry's husband receives support for his editorial duties as Assistant Editor), but concluded that their actions regarding the upcoming negotiations would not be improperly influenced.

The Executive Committee also discussed problems raised by the growth of our meetings and the difficulties brought about by relying solely on volunteers for their organization. Cartmill, Scott, and a previous Vice President, Lorna Moore, have been ap-

pointed to a committee charged with alleviating these problems. This will likely require the use of professional services for especially the local arrangements committee. The committee will report next year.

The Executive Committee also discussed the reburial issue and membership on the NAGPRA committee. Phillip Walker will be rotating off the NAGPRA committee, and there will no longer be a physical anthropologist on the committee. This is of course of concern to the Association because we rely heavily upon skeletal materials for our research. A committee headed by Clark Larsen and Phillip Walker has been appointed to explore how AAPA can continue to have a voice in this issue. Volunteers who wish to work on this issue should contact Larsen or Walker.

Matt Cartmill will head a committee to establish an AAPA web page, and is looking for volunteers to serve on the committee.

Haas recognized the students who received Student Prize Paper awards at the 1996 meeting in Durham. They had formally been noted in the December 1996 issue of the *AJPA*. These include Anne C. Stone (E.A. Hooton); Grazina Jasienska (Juan Comas); Melissa Kaleta Stoller (Mildred Trotter); Maureen O'Leary (Aleš Hrdlička); and Barth Wright (S.L. Washburn). He also recognized the current members of the Executive Committee who served during the previous year: Vice President Clark Spencer Larsen, Secretary-Treasurer Eugenie C. Scott, *Yearbook of Physical Anthropology* Editor A. Theodore Steegmann, Executive Committee members Dennis O'Rourke, Glenn C. Conroy, Trudy R. Turner, Fred Smith, and *AJPA* Editor Emőke Szathmáry. He asked for a round of applause for their

commitment and for the great deal of hard work on behalf of the Association that they have performed. Four retiring members have served a total of 26 years on the Executive Committee: Eugenie C. Scott (8), Dennis O'Rourke (3) Trudy Turner (3), and Ted Steegmann (12). Steegmann was singled out for extraordinary service as an Executive Committee member, Secretary-Treasurer, and finally as Editor of the *Yearbook of Physical Anthropology*.

The President's report was accepted by the membership. Eugenie C. Scott then presented the Secretary-Treasurer's report.

"Nineteen ninety-six has been a relatively quiet year: our business manager, Allen Marketing and Management, did a good job of getting the renewals out in a timely manner and there were no cash flow problems. Membership has increased somewhat, and the Durham meeting turned a profit, thus we have a bit more cash than we have had in some years. Our securities have also increased in value. Our total cash assets on December 31, 1996, were \$104,857, including monies held on that date by the Vice President's office. The value of our securities portfolio on that date was \$118,536, an increase in value of \$10,039 from December 31, 1995.

"As part of my duties as Secretary-Treasurer over the past four years, I have computerized the bookkeeping of AAPA, which will give us a clearer idea of where our money comes from and goes. This is more difficult than it seems, as our money can be in up to three places: the Secretary-Treasurer's office, the Vice President's office, and the Local Arrangements Committee's account. Because of variations in accounting skills of individuals in these offices, sometimes the Secretary-Treasurer gets only a net surplus or deficit at the end of the year, with little accounting of what went in and what went out. I will work with my successor for a smooth transition so that what I have begun can be built upon to allow the more careful management of our funds. The major advantage of computerizing the bookkeeping is to make it easier to pull up data across several years, so we can determine trends in our spending or income, and be able to make better decisions.

"The Executive Committee agreed that AAPA should have an overall budget as well as a budget for the annual meeting. The Executive Committee now has working budgets which it can modify with more easily accessible computerized information from the Secretary-Treasurer. This should help us put AAPA on a sound financial basis."

The Secretary-Treasurer's report was accepted by the membership.

The Vice President, Clark Spencer Larsen, reported that:

"The Program Committee for the 1997 (66th) annual meetings of the American Association of Physical Anthropologists included Daniel L. Gebo, Paul W. Leslie, Sara Stinson, Mark F. Teaford, Phillip L. Walker. I chaired the committee, and was ably assisted by Ann M. Kakaliouras.

"My office received 533 abstracts for review and inclusion in the scientific program. In total, we processed 331 and 142 abstracts for podium and poster presentation requests, respectively; 60 indicated either format. The total number of abstracts is 22 fewer than received last year. Following review by one member of the Program Committee, and with the advice of at least one other reviewer, a total of 20 abstracts were rejected. Six abstracts were withdrawn following publication in the *Annual Meeting Issue*. We received 12 proposals for symposia; nine of these were accepted following consultation with the members of the Program Committee and the Executive Committee.

"Podium and poster presentations are distributed among 33 sessions, including 15 podium, 9 (podium) symposia, and 9 poster sessions. Two podium sessions were divided into two half-sessions each (Sessions 2 and 12). The breakdown of sessions (podium and poster) categories are as follows: 6.6 in paleoanthropology, 8 in primatology, 4.5 in human biological variation, 7 in skeletal biology, 2 in dental anthropology, 2 in paleopathology, and 3 in genetics. This distribution shows appreciable changes from last year in three categories: down in paleoanthropology (from 9 last year), down in human biological variation (from 8 last year), and up in skeletal biological variation (from 3 last year). The symposia are distributed in the following

categories: paleoanthropology, 1; primate biological variation, 1; and population genetics, 1. Two individuals are thanked for their special participation in the program. I thank Alan Walker for presenting the Annual Luncheon talk, 'The Ape in the Tree: the Natural and Intellectual History of Proconsul,' and Dennis H. O'Rourke for his presentation in the Annual Plenary Session, 'Trials, Temptations, and Triumphs: Theory and Practice in Ancient DNA Analysis.' Completed under my editorship, the entirety of the 66th Annual Program, including the program schedule, index of authors, and abstracts is published as Supplement 24, *Annual Meeting Issue* of the *American Journal of Physical Anthropology*.

"As of March 1, 1996, my office received and processed 726 individual preregistrations. The preregistrations were submitted by 383 regular members, 302 student members, and 41 nonmembers. Of the preregistrants, 616 are from the United States, 35 are from Canada, and 75 are from other countries. I note the increase in preregistrations from Canada and other countries, from 92 last year to 110 this year. In addition to our North American neighbors, we acknowledge the participation of our colleagues from South America, Europe, Africa, and Asia.

"The Office of the Vice President started work with an advance of \$6,000 from the AAPA. From the period of 3 May 1996 to 15 March 1997, my office took in an additional \$26,597 from preregistrations and luncheon reservations and \$4,500 in support provided by the University of North Carolina, Chapel Hill. The advance (\$6,000) and income (\$31,097) combined is \$37,097. The expenses (including present commitments) were 11,459.55. The present balance is \$25,637.45. Total refunds for the period included \$650 for the individuals who overpaid on preregistration or who requested refunds if they were unable to attend the meetings.

"I thank the members of the Program Committee for their very hard work and time spent on the enormous task of reviewing abstracts, organizing sessions, and advising me generally on the program development. They were diligent in helping to meet very strict deadlines from the beginning of the review process through the publication

of the *Annual Meeting Issue*. David Weaver is thanked for stepping in to help review abstracts in skeletal biology, an area where we received an unprecedented number of submissions. Gratitude is expressed to a group of individuals who reviewed abstracts, virtually on a moment's notice. I also thank Jere Haas, President of the AAPA, and Kenneth A.R. Kennedy, immediate past-Vice President of the AAPA, for their help and encouragement along the way. A number of graduate students at the University of North Carolina played a big part in the production of the program. I especially thank Program Assistant Ann Kakaliouras for her many hours of hard work and her magnificent use of the computer. Dana Forio at Allen Press provided efficient service in the distribution of important information to the membership. Sonny Fritz, production editor at Wiley-Liss, was enormously helpful in seeing the *Annual Meeting Issue* through the various stages of publication. I thank the many individuals who agreed to serve as chairs of the sessions. I also express my gratitude to the chairs and co-chairs of the symposia. These special sessions added a great deal to the verve and vigor of our association meetings. Finally, it was a wonderful experience working with the Chair of the Local Arrangements Committee, Charles Hildebolt, and the other members of the committee. Their hard work made possible the presentation of the hundreds of papers and posters at the annual meetings in St. Louis.

"My first year serving as your Vice President was an exciting and richly rewarding experience. I look forward to the continuation of activities associated with the preparation and publication of the scientific program for the meetings to be held in Salt Lake City. I especially look forward to working with the many colleagues and students submitting abstracts. The membership is encouraged to contact me in Chapel Hill should questions arise regarding the preparation of abstracts and other matters relating to participation in the annual meeting."

The Lifetime Achievement Award was presented to Phillip Tobias by Glenn Conroy, who said:

" 'Ah, but your land is beautiful' wrote the novelist Alan Paton about South Africa.

Indeed it is, and it has produced some of the greatest men and women of science and letters this century has known. Tonight our Association honors one such man—one of South Africa's greatest sons. Phillip Tobias was born on October 14, 1925, exactly eight months and a week after Raymond Dart described the Taung skull in *Nature*. From this remarkable synchronicity I can only conclude that Phillip must have been conceived the day the article was published and was born one month premature, eager to get to work.

"I have been asked to say a few words about Phillip Tobias. This is like asking a drama critic to say a few words about William Shakespeare. How do I begin to describe an extraordinary professional career that stretches over half a century? How do I convey to you what the life of Phillip Tobias has meant to literally thousands of people around the world—to the students, past and present, of his beloved Witwatersrand University who have drawn inspiration from his brilliance, wit, and graciousness; to those around the world who have shared a quiet evening with him talking of poetry, music, literature, and, yes, *Homo habilis*; to the voiceless, the powerless, and the oppressed of his native South Africa for whom he has been the eloquent, tireless, and always passionate clarion of academic freedom, justice, and human decency? How do we take the measure of such a man?

"Perhaps if I were to tell you of his more than a dozen honorary degrees and equivalent awards from universities and institutions around the world such as from the Museum d'Histoire Naturelle in Paris, the University of Pennsylvania, Cambridge University, among many others, it would have been sufficient—but it is not the full measure.

"Perhaps if I were to tell you of the dozens of distinguished medals, prizes, and awards he has received from organizations around the world, such as his election to the American Philosophical Society; to the Royal Society of London; recipient of the Huxley Memorial Medal from the Royal Anthropological Institute of Great Britain and Ireland; recipient of the first LSB Leakey prize for multidisciplinary research in ape and human evolu-

tion; recipient of the Bronze Medal of the College de France; recipient of the Balzan International Prize (the only time this award has ever gone to a physical anthropologist), and many other awards, it would have been sufficient—but it is not the full measure.

"Perhaps if I were to tell you of the more than 20 International Fellowships, Honorary, and Life Memberships he has been awarded from institutions around the world such as his election as Honorary Member of the Anatomical Society of Great Britain and Ireland; Fellow of the Royal College of Physicians, London; Honorary Fellow, Royal Anthropological Institute of Great Britain and Ireland; Fellow of the American Association for the Advancement of Science; Election to the U.S. National Academy of Sciences (the only member from South Africa); election to the American Academy of Arts and Sciences; one of only 20 Honorary Life Members worldwide of the International Union of Anthropological and Ethnological Sciences; Fellow of the Explorers Club of New York, and many others, it would have been sufficient—but it is not the full measure.

"Perhaps if I were to tell you of the dozens of eponymous lectures he has given around the world, or the dozens of honorary offices held such as President of the International Association of Human Biologists or Foreign Secretary of the Royal Society of South Africa, among many others, it would have been sufficient—but it is not the full measure.

"Perhaps if I were to tell you of his more than 30 years of excavations at Sterkfontein, now the world's most sustained, intensive excavation of an early hominid site, which has produced a hominid sample that rivals anything from East Africa or from anywhere else in the world, or of his Chairmanship of the Witwatersrand anatomy department (succeeding Raymond Dart) for more than 30 years or of his tenure as Dean of the Medical Faculty at Wits or of his numerous honorary professorships, it would have been sufficient—but it is not the full measure.

"Perhaps if I were to tell you that over his professional career he has averaged about 20 publications a year for 50 years—a grand total fast approaching 1,000 publications

among which are over 40 books and monographs, nearly 100 book chapters, and over 700 articles in various professional journals and periodicals. His diverse and original contributions to science include works in the fields of physical anthropology and human biology of the living peoples of sub-Saharan Africa; paleoanthropology; human growth and anatomy; embryology and teratology; human genetics and cytogenetics; the history of science; scientific biography; medical education; history and philosophy; and human rights. It would have been sufficient—but it is still not the full measure.

“But if I were to tell you that Phillip Tobias has been nominated for the Nobel Prize on three separate occasions, and that these nominations were not for Physics or Chemistry or even Medicine—but for Peace—then now you would have some idea of the full measure of the man we honor this evening.

“Perhaps this side of Phillip Tobias’ career is not as widely known to our Members, most of whom have never suffered under the type of governmental oppression that Phillip has had to endure through much of his professional life. For most of us, political protest is a relatively painless, to some almost chic, expression of our human rights. To someone in the position of Phillip Tobias, it could have brought exile, imprisonment, torture, or death. I would like to give you just one example of the measure of the man. I take you back to South Africa in the late 1970s. The Black Consciousness leader Steven Biko had just died while in police custody and after a long investigation the South African Medical and Dental Council announced to the world that they found no evidence of improper or disgraceful conduct on the part of the doctors who treated Steve Biko before his death. After this shocking announcement by the medical establishment effectively exonerating members of their own profession of any wrongdoing in the death of Steven Biko, an urgent meeting was called by the Dean of the Witwatersrand Medical Faculty, Professor Phillip Tobias. In that meeting the following resolution was unanimously adopted and published worldwide in the medical journal *The Lancet*, volume 8182, 1980. The resolution reads in part: ‘The Faculty of Medicine of the

University of the Witwatersrand, Johannesburg, has considered the decision of the South African Medical and Dental Council . . . and express[es] its deep concern and disquiet at the finding that there was no evidence of improper or disgraceful conduct. . . . The Faculty feels that there was prima facie evidence of improper or disgraceful conduct and therefore publicly dissociates from this decision. The Faculty endorses the position that a doctor shall in all circumstances be found to alleviate the distress of his fellow men, and no motive—whether personal, collective or political—shall prevail against this higher purpose.’

“But ultimately all stories are personal stories, and each one of us who has been touched in some way by Phillip Tobias has his or her own. I will end with mine. I remember a beautiful, warm Berkeley day 30 years ago as clearly as if it were yesterday. I was a callow, rather aimless 19-year-old sitting in Sherry Washburn’s human evolution course. I was sitting in that course by default—I was a political philosophy major more at home with Hume, Locke, and Mill than I was with LeGros Clark, Weidenreich, or von Koenigswald—but I needed a so-called gut course to fulfill a natural science requirement and Sherry’s course (so I was told) was it. But Sherry didn’t lecture on that day 30 years ago—instead he introduced a young South African paleoanthropologist who was visiting Berkeley just after completing his monograph on the Zinj skull. It was electrifying and left an indelible mark. Now, I have the honor of presenting our Association’s highest award to the man whose single lecture on that day 30 years ago changed the course of my life and career, and to say thank you.

“On behalf of the Executive Committee of the AAPA and all its Members, it is my great privilege to present this years Charles Darwin Lifetime Achievement Award to Professor Phillip Vallentine Tobias.”

Dr. Tobias expressed his gratitude for the award with remarks that were thoroughly enjoyed by the Business Meeting attendees. Because of the length of his remarks, they are appended after this report.

The *American Journal of Physical Anthropology* Editor’s report was presented by

Emőke Szathmáry, admitting that she had a "tough act to follow." It is appended to this report.

President Haas expressed appreciation for Dr. Szathmáry's continuing efforts to edit a journal known for its excellence. The Editor's report was accepted by the membership.

Yearbook of Physical Anthropology Editor A. Theodore Steegmann, Jr. presented his report, which is appended to this one. The Yearbook Editor's report was accepted by the membership.

Dennis O'Rourke reported on activities at NSF. The transition from Mark Weiss the previous fall had been relatively smooth. The good news this year was that the budget came in on time with no continuing resolutions, and with a modest increase in the base budget. The bad news was that NSF has a staff reduction and things are moving more slowly than in the past. Twenty-seven proposals were submitted last year, which is quite low. Members should submit proposals to insure that the anthropology program at NSF continues to be supported at current levels. O'Rourke also encouraged members to submit their proposals using FASTLINK to increase processing speed. Within the next three years, all proposal submissions will be done electronically. There will soon be a web page for the physical anthropology program.

Sol Katz presented a report from the American Association for the Advancement of Science. The 1998 meeting will be in Philadelphia, and will be the 150th anniversary of the AAAS. He thanked George Armelagos for serving as chair of Section H, which actually predates both AAAS and AAPA, having started in the 1880s. There are about 900 section H members, and he encouraged AAPA members to be sure to check section H when they renew their subscriptions to *Science*. Although members of a small section, anthropologists submit and get accepted a disproportionate number of sessions at the annual meeting.

Katz pointed out that new educational initiatives at AAAS include the undergraduate curriculum, and that anthropologists need to become involved. In answer to a question from Jon Marks regarding progress in getting anthropologists to serve on review-

ing board of *Science*, Katz replied that he feels that progress is being made and that more submissions will encourage more publication of anthropology papers in *Science*.

Phillip Tobias announced a dual congress of the International Association for the Study of Human Palaeontology and the International Association of Human Biologists to take place in June-July 1998. He described a series of colloquia with "both neo and paleo aspects in the same sessions." Members were encouraged to attend.

Executive Committee reports were next. Nominations Committee chair Glenn C. Conroy thanked the members of the AAPA who stood for office and also for those who served on the nomination committee: Sara Williams-Blangero, Eric Delson, and Phillip Rightmire. Elected to the Executive Committee was Sara Williams-Blangero, and Mark Weiss will be the new Secretary-Treasurer. The winning candidates were given a round of applause.

Fred Smith reported on the Student Affairs committee, which is in charge of selecting the winners of the Student Prize Papers/Posters. For the St. Louis meetings, 35 students submitted applications, an increase of about 44% from previous years. He thanked the members of his committee: David Weaver, Dave Glassman, Pat Bridges, Steve Leigh, William Leonard, Susan Ford. Winners of the prizes and the titles of their papers are:

Juan Comas Prize: Alexander F. Christensen, Vanderbilt University (Fig. 1): "The Nature and Effects of Inbreeding Among the Prehispanic Mixtecs of Oaxaca, Mexico."

Aleš Hrdlička Prize: Christopher Kuzawa, Emory University (Fig. 2): "Body Fat as System: An Evolutionary and Developmental Consideration of the Growth and Function of Body Fat."

Earnest A. Hooton Prize: Charles A. Kunos, Case Western Reserve University (Fig. 3): "Implications for the Evolution of Bipedality."

Mildred Trotter Prize: David DeGusta University of California (Fig. 4): "Fijian Cannibalism: Evidence from Viti Levu."

Sherwood Washburn Prize: Cheryl Knott, Harvard Peabody Museum (Fig. 5): "The Effects of Changes in Food Availability on

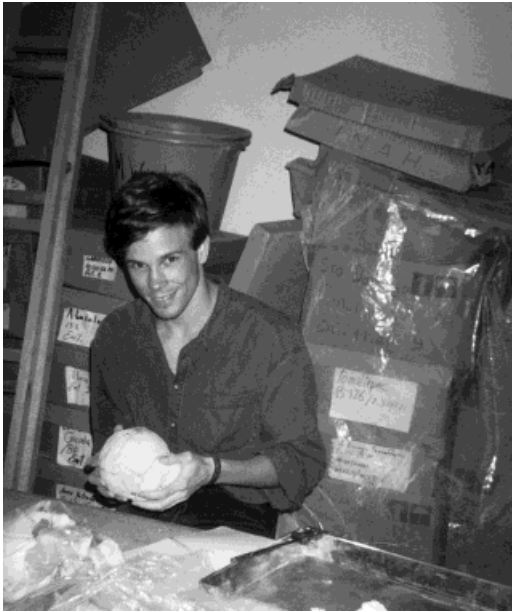


Fig. 1. Alexander Christensen, recipient of the 1997 Juan Comas prize for his paper, "The Nature and Effects of Inbreeding Among the Prehispanic Mixtecs of Oaxaca, Mexico."



Fig. 3. David DeGusta, winner of the 1997 Mildred Trotter prize for his paper, "Fijian Cannibalism: Evidence From Viti Levu."

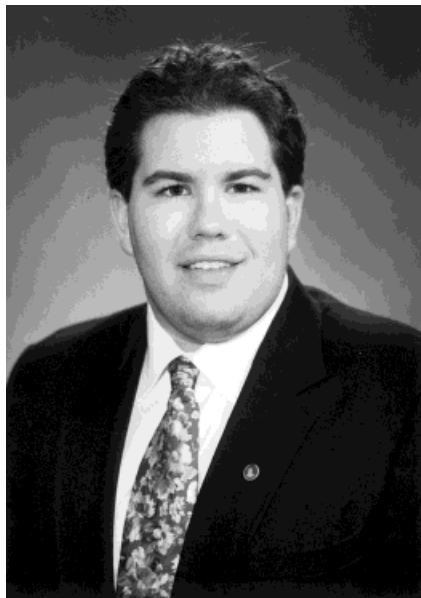


Fig. 2. Charles A. Kunos, recipient of the 1997 Earnest A. Hooton prize for his paper, "Distal Metaphysis of the Tibia: Implications for the Evolution of Bipedality."



Fig. 4. Christopher Kuzawa, recipient of the 1997 Aleš Hrdlička prize for his paper, "Body Fat as System: An Evolutionary and Developmental Consideration of the Growth and Function of Body Fat."

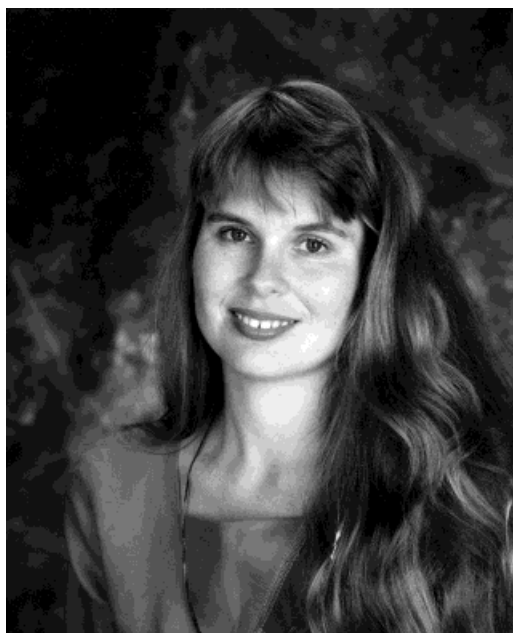


Fig. 5. Cheryl Knotts, recipient of the 1997 Sherwood Washburn Student prize for her paper "The Effects of Changes in Food Availability on Diet, Activity, and Hormonal Patterns in Wild Bornean Orangutans (*Pongo pygmaeus*)."

Diet, Activity, and Hormonal Patterns in Wild Bornean Orangutans (*Pongo pygmaeus*)."

Trudy Turner presented the Membership Committee's report. As of March 27, AAPA had 1,532 members, compared to last year's April 1996 figure of 1,423. Membership is thus increasing. The member survey submitted in 1996 will be repeated in 1997 and in subsequent years, and Turner asked members to please continue filling it out each year to assure that we can accurately describe the association's changing demographics. The report of the survey is presented elsewhere in the *American Journal of Physical Anthropology*.

Curtis Weinker reported on the Student Development Committee, and its efforts to recruit more students into the association.

Charles Hildebolt reported for the Local Arrangements Committee. There were 1,024 individuals registered at these meetings. He thanked the staff at the Adam's Mark, Lise Fitzpatrick from Conferon, the students who assisted with registration and audiovisuals,

and members of his committee: Jim Cheverud, Glenn Conroy and Jane Phillips-Conroy, Richard Smith, and Robert Sussman. He also thanked Matt Cartmill, local arrangements chair for last year's meeting, for valuable advice. President Haas expressed the thanks of the Association to Hildebolt and his committee for the largest meeting we have had, which ran very smoothly. He also thanked Vice President Larsen for his contributions to the program of the meeting.

The Executive Committee reports were accepted by the membership.

Under Old Business, *AJPA* Editor Emőke Szathmáry noted that work was continuing on the Wiley-Liss contract, and reassured the members that first priority would go to getting the journal's price under control.

Under New Business, Eugenie Scott noted that regulations for not-for-profit organizations such as AAPA encourage the inclusion of certain wording in By-Laws that our organizing papers lack. The proposed By-Law changes were approved by the membership attending the business meeting, and will be sent to the full membership for a mail ballot. These By-Law changes appear at the end of these minutes.

William Pollitzer read the Resolutions of the annual meeting:

"We deeply regret the deaths of Neven (Patt) Lamb and Bill Maples, and send our sympathy to their loved ones. We also send greetings to all our senior members who were unable to attend this annual meeting. We are especially glad to see so many young people here—that is, anyone under 75.

"We have enjoyed another large gathering, here along the banks of the Mississippi: it has been an over-arching success.

"We welcome still more affiliated societies, as Primate Behavior and Paleoanthropology join the ranks of Human Biology, Paleopathology, Dermatoglyphics, Dental Anthropology, and Anthropological Genetics. If we spawned them, then AAPA is indeed a reproductive success.

"We thank our outgoing President Jere Haas and Secretary-Treasurer Eugenie C. Scott, and welcome new President Matt Cartmill and new Secretary-Treasurer Mark Weiss. We thank Trudy Turner and Dennis

O'Rourke (and his ancient DNA), who are leaving the Executive Committee, and welcome Phil Walker and Sarah Williams-Blangero, who are joining it.

"Ted Steegmann merits special thanks for his 12 years with the Executive Committee and as Editor of the *Yearbook*. We welcome Chris Ruff as new *Yearbook* Editor, and express our gratitude to Emőke Szathmáry for her continued service to us all as Editor of our journal.

"Clark Larsen performed brilliantly as Vice President in putting together an outstanding program—just what we would expect of a professor at the University of North Carolina at Chapel Hill.

"Sessions ranged from molecules to muscles, from Mesolithic to Modern, from habitats to health. Hominids continue to race in and out of Africa, although it is not clear who is winning the race or even if "race" exists at all. Along the way we learned that baboons are all Awash. We vote an award for the paper with the most clever title: 'Waste Is a Terrible Thing to Mind: Extracting DNA From Feces.' Fortunately it is behind us now.

"Following an excellent lunch, Alan Walker gave wise counsel based on the story of Proconsul. Phillip Tobias received the richly deserved Darwin Award, not only for his lifetime contributions to science but through science to the betterment of humanity.

"We appreciate the hard work of the Local Arrangements Committee, headed by Charles Hildebolt. We must also re-Mark on our Hotel, for our accommodations at the Adam's Mark hit the mark.

"Next year we move further West to join the Mormons at the University of Utah in Salt Lake City. Members are invited to bring their wives—all of them."

Because this was President Haas' last year in office, he had a few closing words. He said that he felt that it had been a great privilege to serve as President, and that by doing so he had learned a lot about the Association and hoped that what he had learned had contributed to its betterment. He was particularly grateful to people on the Executive Committee who had helped "bail him out" at times. He looked forward to his coming year as Past President, and thanked

Cueerto Garza, Director of the Division of Nutritional Sciences at Cornell University for having contributed \$2,000/year in expenses to help support his office. He then passed the gavel to Matt Cartmill, the incoming President.

Cartmill stated that it was a privilege to have been associated with Haas all the years on the Executive Committee, and that Haas had served the association with exceptional dedication and "unflappable imperturbability" as Vice President, President Elect, and as President. He presented a gift to Haas with warm thanks for the terrific work he had done for the association over the years.

The meeting adjourned at 11:00 PM.

Respectfully submitted,
Eugenie C. Scott, Secretary-Treasurer

**YEARBOOK OF PHYSICAL
ANTHROPOLOGY REPORT
OF THE EDITOR
(1997 Summary)**

The 1997 *Yearbook of Physical Anthropology* is now about mid-way through our annual cycle. Manuscripts and reviewer's comments are pretty much on schedule and the editorial staff anticipates no difficulties in meeting the Wiley-Liss deadline for submission of material. While it is too early to be certain, it is likely that volume 40 of the *Yearbook* will include reviews on the following topics:

Evolutionary Biology of Childhood
Modern Human Emergence: A Paradigm Conflict?
Fractures in Archeological Context
Darwin and the Scottish Enlightenment
Early Development and Cardiovascular Disease
Hemoglobin and Iron Deficiencies
Chimpanzee Use of Medicinal Plants
Osteoporosis and Bipedalism
Laterality
North African Paleoanthropology

These contributions include papers solicited by the *Yearbook* staff as well as volunteered manuscripts.

This is my fifth and final year as Editor. The 1998 *Yearbook* will be in the able hands

of Christopher Ruff. Ideas for 1998 reviews and volunteered manuscripts should be directed to Chris at Department of Cell Biology and Anatomy, Johns Hopkins University Medical School, 725 N. Wolfe St., Baltimore, MD 21205. You may contact him by telephone at (410) 955-7126 or e-mail at cruff@welchlink.welch.jhu.edu.

I would like to thank a number of people who have made this job so rewarding. First, it has been an honor to serve with colleagues of the AAPA Executive Committee. The work, challenge and comradeship of our meetings over the years is one of the things I like about our annual gathering. It has also been rewarding to work with our Editorial Board, a constant source of support, insight and good advice; thanks to Cynthia Beall, Paul Leslie, Henry McHenry, Margaret Schoeninger, Karen Strier, Mark Weiss and Steve Zegura for everything. The quality of this journal also owes a lot to manuscript reviewers. Although you are not named here, your sense of the task and willingness to work within our tight annual time constraints put us all in your debt. I have also found the professionalism and helpfulness of Sonny Fritz from the Production Department of Wiley-Liss has enabled us to get through some rough passages. Without financial help from Mark Kristal, Dean of FSS at SUNY Buffalo it would have been hard to use priority and express mail services on which we depend.

Finally, my thanks, respect and admiration go out to all of the *Yearbook* authors over the years. Your scholarly energy, bright ideas, and command of material are the clearest measures of the strength of this profession.

Respectfully submitted,
A. Theodore Steegmann, Jr.
Editor, *Yearbook of Physical Anthropology*

PROPOSED BY-LAW CHANGES

No part of the net earnings of the Association shall inure to the benefit of, or be distributable to, its members, officers, or other private persons, except that the corporation shall be authorized and empowered to pay reasonable compensation for services rendered and to make payments and distri-

butions in furtherance of the purposes set forth in the Constitution. Actual expenses incurred by board members while conducting the affairs of the corporation may be paid by the Secretary-Treasurer, provided that such expenses are authorized in advance by the Executive Committee.

No substantial part of the activities of the corporation shall be the carrying on of propaganda, or otherwise attempting to influence legislation, and the corporation shall not participate in or intervene in any political campaign on behalf of any candidate for public office. Notwithstanding any other provision of these articles, the corporation shall not carry on any other activities not permitted to be carried on (a) by an entity exempt from federal income tax under section 501 (c) (3) of the Internal Revenue Code of 1954 (or the corresponding provision of any future United States Internal Revenue Law) or (b) by an entity contributions to which are deductible under 170 (c) (2) of the Internal Revenue Code of 1954 (or the corresponding provision of any future United States Internal Revenue Law).

By-Laws Chapter VIII (if the previous amendment is Chapter VII): Indemnification

The members of the Executive Committee and members of other committees shall not be held personally liable for the obligations of the corporation, and shall not be liable in damages to the corporation for injury which may result from the fulfillment of their duties when they discharge the duties of their position in good faith and with that degree of diligence, care, and skill which ordinarily prudent persons would exercise under similar circumstances in like positions.

AMERICAN JOURNAL OF PHYSICAL ANTHROPOLOGY: REPORT OF THE EDITORS (1996 Summary)

During the 1996 calendar year the editorial office transferred from its location at McMaster University in Hamilton, Ontario, to a new location at the University of Manitoba, in Winnipeg, Manitoba. The editorial office opened on July 1, with e-mail transmission beginning a week later. Regular mail began to move out of the office by July 13.

Table 1. Candidates elected to membership in the AAPA, 1997

<i>Regular Members</i>	Anderson, John	Kushnick, Geoffrey Charles
Aronson, Gary P.	Anderson, Kristen L.	Lancaster, Terry E.
Bailey, Stephen	Appleblom, Petra Molnar	Lane, Robert W.
Brandt, Kari L.	Araya, Rebeca	Lewis, Patrick
Brewis, Alexandra	Atz, Leiellen M.	Lopez, Inmaculada
Carlin, Leslie	Bauman, Kristen	Matternes, Hugh B.
Cox, Margaret	Bax, Jennifer S.	McBride, David Glynn
Dumont, Elizabeth	Benfro, Bryan	McFarlin, Shannon C.
Eaton, S. Boyd	Berg, Gregory E.	McGinnis, Shelley R.
Erchak, Gerald	Bergman, Thore J.	Merrett, Deborah
Fong, Michael R.	Biela-Nekaris, Kimberley	Meyer, Robin
Formicola, Vincenzo	Bhasin, Soniya	Miller, Rebecca
Gaede, Marc	Bogdanovich, Tamara	Mitchell, David C.
Goldberg, Myron	Boylston, Anthea E.	Mitchell, Kelly
Green, Victoria	Bradley, Brenda	Molina, Jennifer
Grupe, Gisela	Breshears, Jacob Weldon	Moore, Leslie Jane
Guthrie, Elaine A.	Brickley, Megan	Nichols, Kimberley
Haeussler, Alice M.	Burke, Stacie	Niebuhr, Sarah
Hamzavi, Parvene	Carlyle, Shawn W.	Norejko, Jay W.
Haug, James D.	Clennon, Julie	Oh, Stephen
Hens, Samantha M.	Cobb, Sharon K.	O'Neil, Brandy L.
Hirata, Kazuaki	Corkern, Miles	Panger, Melissa A.
Holliday, Trenton W.	Coyle, Suzanne A.	Park, Paul
Kamegai, Tetsuya	Davis, Elena	Parker, Cynthia F.
Karafet, Tatiana M.	de Miguel, Carmen	Phillips, Wendy
Kimmerle, Erin H.	de Ruiter, Darryl	Polli, Maura
King, Glenn	Drapeau, Michelle	Quinney, Patrick S.
Koppe, Thomas	Eder, Michelle	Race, Lynne
Kreutz, Kerstin	Eide, Grete-Lise	Ramsey, Heather Louise
Kring, Margaret Anne	Enciso, A. Elizabeth	Rehg, Jennifer A.
Lemelin, Pierre	Ens, Denise	Rhoads, Megan L.
Loth, Susan	Fajardo, Roberto J.	Rouff, Jacqueline
Masterson, Thomas J.	Fenton, Todd W.	Sanchez-Villagra, Marcelo
Meyers, David	Flaherty, Kelleen	Schurr, Theodore
Miller-Shaivitz, Patricia	Flynn, Lucy	Scott, Andrea
Mucci, Robert J.	Foster, Pamela A.	Scott, Jennifer
Pathak, Raj Kamal	Gaines, Julia B.	Seiffert, Erik R.
Pearson, Osbjorn M.	Gilbert, William Henry	Slemmer, S. Taylor
Powell, Joseph F.	Gilding, Nichol Lynn	Smentek, Julie
Rak, Yoel	Graff, Anne, E.	Smith, Holly J.
Reed, Kaye E.	Hale, Kimberly, D.	Snyder, Karen
Reid, Donald J.	Hamilton, Michelle	Spencer, Gary J.
Remis, Melissa J.	Harmon, Elizabeth	Stevens, Nancy Jeanne
Singh, Lakhbir	Harrison, Chester A.	Stock, Jay T.
Smucny, Darlene	Hayes, M. Geoffrey	Sturtevant-Murdich, Kelly M.
Steckel, Richard H.	Hill, Edward G.	To, Denise
Sterling, John	Hlusko, Leslea J.	Tung, Tiffany
Suzuki, Toshihiko	Houdek, Diane	Vidarsdottir, Una S.
Takai, Masanaru	Iezzi, Carina	Tanaka, Hideyuki
Tayles, Nancy	Jeffries, Mark G.	Torres, Christina
Teegen, Wolf R.	Jenson, Barbara L.K.	Tortorice, Janel L.
Towne, Bradford	Jolley, Lea Ann	Wall, Marion
Vanderlinden, Loren	Jones, Teresa	Watson, James T.
Waddle, Diane M.	Kakaliouras, Ann M.	Wiedemann, Felicitas B.
Wescott, Daniel J.	Katzmarzyk, Cheryl	Williams-Guillen, Kimberley
<i>Student Members</i>	Khayatpoor, Leslie P.	Wooley-Barker, Tamsin
Adler, Carole	Kitko, Rachael	Workman, Michael
Al-Abbasi, Salah El-Din	Kunos, Charles A.	Yokota, Miyo

Although the editorial office took only three days to travel the 2,100 km west, no paper mail flowed for a period of three weeks, which included pack-up time in Hamilton, travel time, and set-up time in Winnipeg. Because we still get inquiries about the location of Winnipeg, we note that we are

straight north of Fargo, North Dakota. We are, in fact, located at the mid-point of North America.

During the 1996 calendar year the *AJPA* published a total of 107 research articles, or 26 more than in the previous year. In addition, the journal contained 8 *Notes and*

Comments, 4 *Brief Communications*, 3 obituaries, and 20 book reviews. The January issue (volume 99)¹ was a special issue, devoted to 13 papers from the symposium on Recent Developments in Hominoid Ontogeny, which had been held during the 62nd annual meeting of the AAPA in Toronto, in 1993. Regular additions to our journal included the Guide for Authors, the AAPA Constitution and Bylaws, the list of Current Members of the AAPA, and the Proceedings of the 1996 meeting in Durham, NC. Supplement 22, the Annual Meeting issue for 1996, was published in February 1996, and included 543 abstracts for the Durham meeting. The total number of published pages, excluding the 251 pages of Supplement 22, was 1,864, which is 276 pages more than had been published in 1995.

During 1996, the *AJPA* received 211 new manuscripts for consideration, which is higher than the number received in the previous year. Since May 1, 1995, we have declined to publish 18.4% of new submissions, accepted 23.7% for publication, and 57.9% are still in process. Some of the articles on which no decision has yet been reached were submitted in 1995, and are currently undergoing revision or re-review.

More than 56% of the research articles published in 1996 (excluding *Notes* and *Brief Communications*) were submitted prior to 1995, the year of transition between the Durham and the Hamilton editorial offices. The median time elapsed, from submission to publication, reflects the pre-1995 origin of the majority of the manuscripts: 594 days, or 19.5 months. The median time from submission to acceptance was 342 days (11.2 months), and from acceptance to publication, it was 175 days (5.8 months). With the co-operation of the Associate Editors and the reviewers, our goal is to reduce the time from submission to publication to one year or less. Our records show that this is feasible, because the median submission-to-publication time since May 1, 1995 is 381 days (12.5 months).

The articles published in 1996 reflect the increasing international impact of the *AJPA*. The senior authors of the 107 research articles published in 1996 reside in 19 countries. The largest proportion (57.0%) live in

the United States, but 5.6% of the publications were contributed by Canadian and Japanese authors, respectively. Italian physical anthropologists contributed 4.6%, and the remainder were submitted by colleagues in South Africa and Spain (4 papers each), France (3 papers), Brazil, Finland, Israel, the Netherlands (2 papers each), and Argentina, Chile, Denmark, India, New Zealand, Russia, and Taiwan (1 paper each). Of the authors of the 16 *Brief Communications* and *Notes and Comments*, 68.8% reside in the United States, 12.5% in the United Kingdom, and the remainder, in equal proportions, in Finland, France and Italy.

The topics covered by *AJPA* authors continue to demonstrate the diversity of our discipline. Figure 6 shows modest changes from the distribution of articles by topic in 1995. In 1996 more research papers were published in dermatoglyphics, demography and epidemiology, living primates, and primate fossil/evolution areas, whilst fewer papers were published in anatomy, metric studies, dentition, and osteology/paleopathology. As always, assignment of particular papers to the topical areas established by my editorial predecessors are somewhat arbitrary. Most notable in this regard are the studies on living primates, which had a large infusion from the special issue published in January. The increase in studies on living primates reflects the addition of six papers that used living primates as subjects, though of the specific topics examined, three were in the growth/development and another three in the dentition areas, respectively. The latter distribution is not reflected in Figure 6.

This year three members of the editorial board are ending their terms of office. We are grateful for the service to our journal undertaken by James Bindon, Henry Harpending, and Linda Klepinger. Each is scientifically astute, as well as conscientious and hard working. Their contributions will be sorely missed in the editorial office. For their incomparable assistance, we thank the remaining members of the editorial board, Brigitte Demes, Linda Fedigan, Laurie Godfrey, Anne Katzenberg, Clark Larsen, Lawrence Martin, John Relethford, Philip Rightmire, Michael Rose, Shelley Saunders and Adrienne Zihlman. Finally, we welcome the new edito-

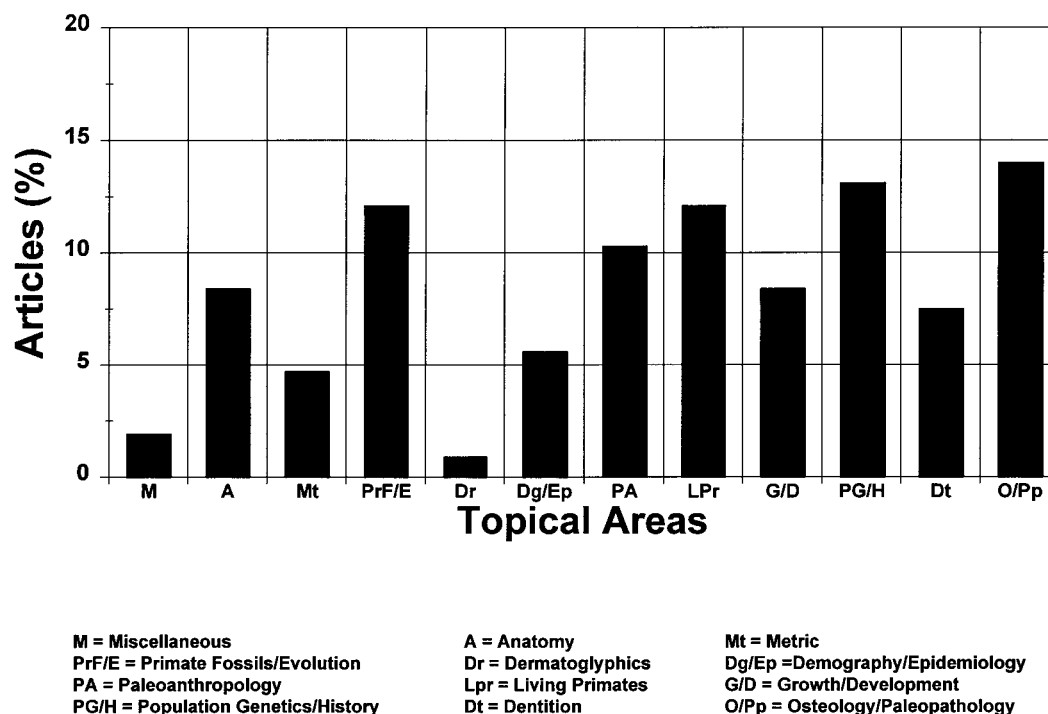


Fig. 6. Publications (1996).

rial board members, Darna Dufour, Kenneth Kennedy, Charles Merbs, Jeffrey Rogers and Peter Ungar.

We are indebted to our Book Review Editor, Kenneth Korey, for his diligent efforts in securing reviews of books published in our many fields of study. We thank our Production Editor, Sonny Fritz, for her professionalism, her prompt attention to detail, and her never-failing sense of humour. Robert Harrington and Joe Ingram, members of the senior editorial group at Wiley-Liss, provided much needed assistance, and responded readily and positively to our queries.

Our greatest acknowledgment and thanks go to the authors who submitted articles for consideration by our journal, and the more than 300 reviewers whose thoughtful comments and helpful suggestions have assured the quality of the *AJPA*. Our journal is strong because of the efforts of many, each of whom has respect for our science, and seeks to disseminate only the best of research findings in the *AJPA*.

Respectfully submitted,
 Emőke J.E. Szathmáry, Editor
 George A. Reilly, Assistant Editor

Darwin, Race, and the AAPA 1997 Charles R. Darwin Lifetime Achievement Award

Acceptance address by Phillip V. Tobias.

To President Jere Haas and the AAPA, I extend my warmest thanks for the wonderfully generous decision to award me the Charles Darwin accolade. For his magnanimous citation, my thanks go to Glenn Conroy, a man of extraordinary enthusiasm and a very good friend. I see this award as a tribute not only to myself but to Wits [the University of the Witwatersrand, Johannesburg], a great university, and its famous Anatomy and Human Biology Department, which have put up with me for over 50 years since I gave my first lecture.

My personal thanks are due also to my graduate students, many of whom came to me from the USA and Canada, and several of whom are present at this meeting. They have been a perpetual source of renewal and of inspiration over this half century. Without them, and without the rejuvenation I have regularly received from the 10,000 medical, dental, nursing, therapy, medical B.Sc and honours students who have passed through my hands, I could not have achieved a fraction of what they have helped me to do.

So, I accept the award as a token of appreciation, not merely of myself, but of my University, department, research unit, and students. The AAPA is the world's largest body of biological anthropologists and this Congress the greatest gathering of its kind. To achieve such a meeting every year is an enviable and praiseworthy accomplishment. It is an honour indeed to be recognized by such a body.

RANDOM THOUGHTS ON CHARLES ROBERT DARWIN

It seems most fitting that the award is named in honour of Charles Darwin. He was a boyhood hero of mine and I have been fascinated by his life and work ever since I first read *The Origin of Species* from cover to

cover as a 19-year-old. That was near the beginning of my career. With kind of poetic symmetry, late in my life-tide, I marked my official retirement—which antiquated age restrictions forced me upon me as a kind of statutory senility!—by a long-awaited trip to the Galapagos Islands, in the footsteps of Darwin the master.

The superb statuette of Charles Darwin is based, I see, on one of John Collier's portraits of Darwin in the last two or three years of his life. It shows a serene countenance, and yet his life was wracked by illness from the end of his voyage of H.M.S. *Beagle* until his death in 1882. I like to think that his seminal writings take on a different hue when one remembers they were wrung from the mind and body of a chronic invalid.

Much has been written on Darwin's illness. Freudian and other analyses have had a field day probing the difficult relations of Charles Darwin with his father, seeking psychosexual basis for his ailments. Here was a man who kept a diary of his health, or rather his ill-health, with daily and monthly summaries. The daily resume—usually "Well very"—was either not underlined (a poor day), or singly or even doubly underlined (for the best days). There were single-dash-days and no-dash-days signifying the pretty bad and the downright awful ones: with monthly summaries such as December 1851 had 19 double-dash days ("Best since Jan. 1850"). Was he then "merely" a hypochondriac?

When Saul Adler of the Hebrew University, Jerusalem, read Darwin's diary, he came across tell-tale entries about Darwin's trip to Mendoza on the Argentinean pampas. The *Beagle* had dropped anchor at the Valparaiso in Chile. Darwin and a few ship's officers took donkeys and crossed the Cordillera. Traveling towards Mendoza, they spent

the night of March 25, 1835, in the village of Luxan. The huts were riddled with the benchuca, which Darwin called “the great black bug of the Pampas” (*Tiatom infestans*). He described how such a bug, when placed upon the forearm of one of the ship’s officers, changed from an appearance as flat as a wafer to a globular form like a grape juicily filled with the officer’s blood. He did not know then, but thanks to the work of Carlos Chagas we do know today, that the benchuca is the principal vector of the *Trypanosoma cruzi* that causes Chagas’ disease. History does not record what happened to the ship’s officer! But we know Darwin was a lifelong invalid thereafter.

Adler proposed in 1959 that Darwin was a victim of Chagas’ disease. When he published the hypothesis, A.W. Woodruff vigorously opposed the idea: nobody could have suffered 47 years after contracting Chagas’ disease—or so it was believed. Because of the immense authority of Woodruff, Adler’s proposal was forgotten by almost everybody. I was one of the few who remembered and supported it. In 1972, I proposed that Darwin had been a victim of twofold pathology—the family “neurosis” which might have accounted for a few symptoms of which Darwin complained of before the voyage of the *Beagle*, and Chagas’ disease contracted during the exposure at Luxan which afflicted him for the rest of his life. There apart, Adler’s hypothesis was largely unsupported—until 1982.

At meeting of the Pontifical Academy of Sciences in Vatican City, on the century of Darwin’s death, our meeting on primate and human evolution was chaired by the president of the Pontifical Academy, a certain Carlos Chagas from Brazil! He was delighted when I told him, at the first coffee break, that I knew and supported the Adler theory, though most people had been put off by Woodruff’s opposition. I learned that he was the son of Carlos Chagas, the eponym of Chagas’ disease! The objection to the hypothesis on the grounds that Darwin survived for 47 years after his only exposure was, he said, of no consequence: his father’s first patient, two-year-old Berenice, who had been diagnosed by Chagas senior in 1909, had just died! That is, she had survived proven

infestation with *T. cruzi* for just over 70 years. So the objection that Darwin’s survival for 47 years after his presumed infestation ruled out a diagnosis of Chagas’ disease fell away. Moreover, Fritz Koberle’s studies on the pathology showed that there was an acute form of Chagas’ disease (which was liable to kill football players during a game) and chronic Chagas’ disease, which permitted lengthy but symptomatic survival. On this view Darwin was a victim of the chronic syndrome, not of the acute illness. In 1996 chronic or long-term Chagas’ disease was described as “currently incurable.”

I should dearly like to prove this matter once and for all. An autopsy on Darwin’s remains in Westminster Abbey—or at least the needling and removal of tiny pledgets of tissue—might confirm the presence of *T. cruzi*, a possibility which has been mooted by Carmel Schrire, George Pieczenik, and myself. Ideally we should first test the durability of the parasite’s DNA. In his 1959 paper, Adler had written, “It is obviously impossible to *prove* that Darwin was a victim of Chagas’ disease. . . .” Perhaps, after all, positive test results may *prove* that Darwin had been infested with *T. cruzi*, although negative findings would neither prove nor disprove the case.

Meantime, Darwin’s legacy is for me at least the more remarkable for the life of suffering (. . . how often he laments, “My accursed stomach”) of which the writings were by-products.

MY EARLIEST ENCOUNTER WITH THE AAPA

I first attended a meeting of this Association at Chicago in 1956 when I was a Rockefeller Visiting Fellow to the USA. At that meeting Sherry Washburn (then Editor of the *AJPA*) proposed that the name of the Journal be changed to *American Journal of Human Evolution and Variation*. A great fight ensued, Sherry leading the “young Turks” and men like Dale Stewart, Carleton Coon, and W.W. Howells being arrayed against his proposal. It must have been one of the liveliest debates in the long and often colourful history of the Association. Eventually the Washburn proposal lost and the

Association's publication remained the *American Journal of Physical Anthropology*.

I vividly recall that meeting for a few other reasons:

It was the first meeting in which I participated as a member of the Association, my application having been accepted on April 5, 1956. Fresh from my studies on the San (Bushmen) in the Kalahari Desert, I gave my first paper to the Association—on "Evolution of the Bushman." Above all, there was an animated discussion on race, culminating in a definite stand by the Association against racism.

AAPA AND RACE

The debate on race at the AAPA meeting in April 1956 became so lively and the matter was considered so sensitive that it was deemed necessary for the business meeting to go into committee. At that time the apartheid policy of the Nationalist Government of South Africa was just eight years old. It was a source of strength and support for my own fight against racism in South Africa when at that meeting the Association adopted a resolution opposing claims about superior and inferior races which were emerging explicitly from W.C. George of North Carolina and implicitly from South Africa. The participants in the debate on race at that Chicago meeting included such notables in the history of American physical anthropology as Cobb, Coon, Howells, How-

ell, Gruber, Thieme, Washburn, Greulich, Spuhler, Tappen, Gavan, Kraus, and Brozek. As a "new boy" at the meeting, but one who was much exposed to the issue in the old South Africa, I took part in the debate and helped to draft the resolution which was ultimately adopted.

In the light of these historical memories and of the Moscow meeting in 1964, at which a revised UNESCO statement on race was adopted, I was pleased to read the new AAPA Statement on Biological Aspects of Race that appeared in the December 1996 issue of the *AJPA*, in the preparation of which I had given some small help to Dr. Sol Katz. I believe biological anthropologists have a responsibility in this regard; we cannot sit idly by while the major part of the public debate on race is taken over by educational psychologists, often with dubious and even near-disastrous consequences. As race was historically and basically a biological concept, it is our duty as biological anthropologists to help spread insight and balance on the subject in the broad realm of public welfare and enlightenment.

Accordingly I urge the Association to send a copy of its new Statement on Race forward, with a covering letter from the president, to UNESCO, suggesting that the Organisation may find it helpful to use the AAPA Statement as a basis for a possible new revision of the UNESCO Statement on Race.